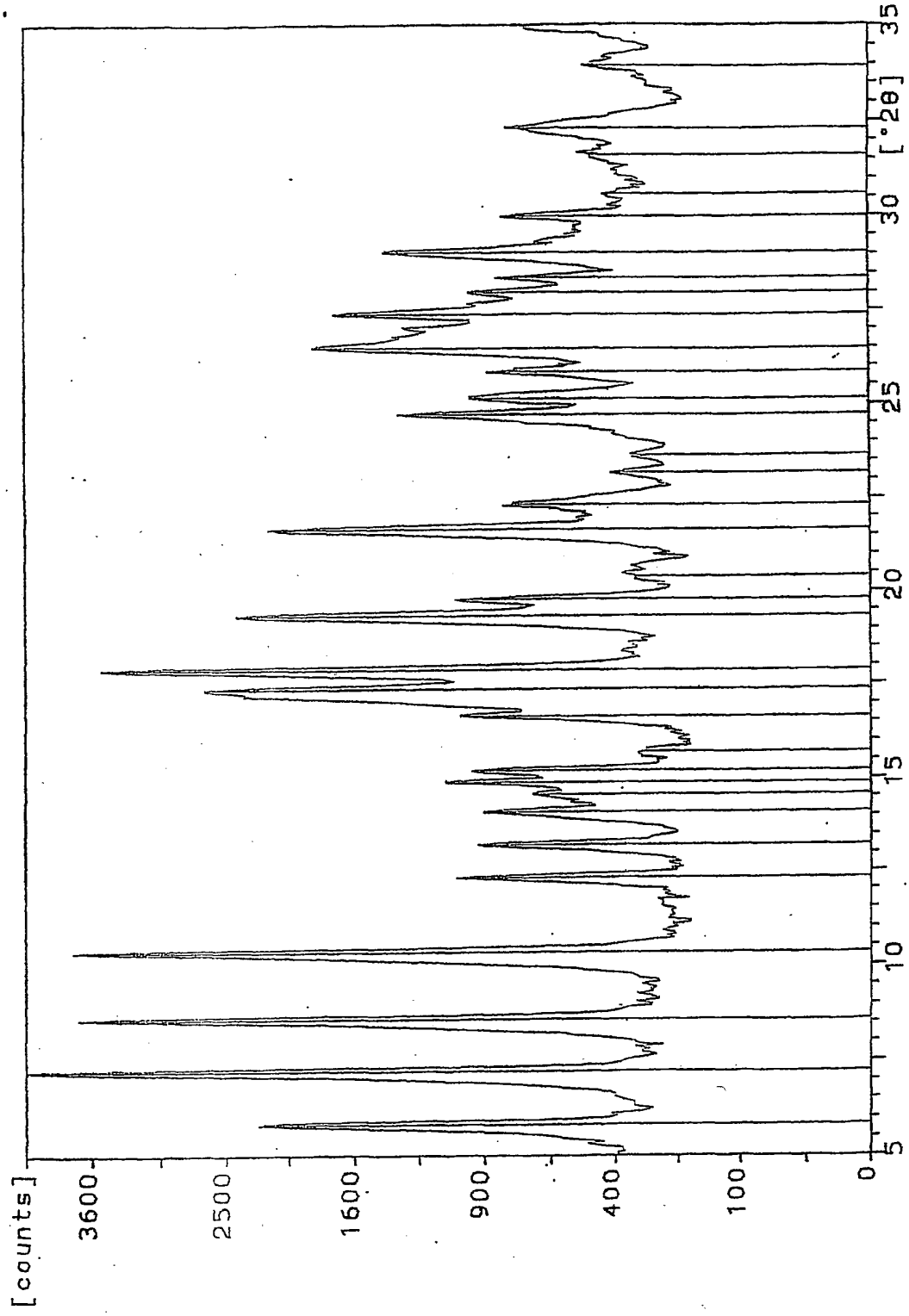

FIGURE 1

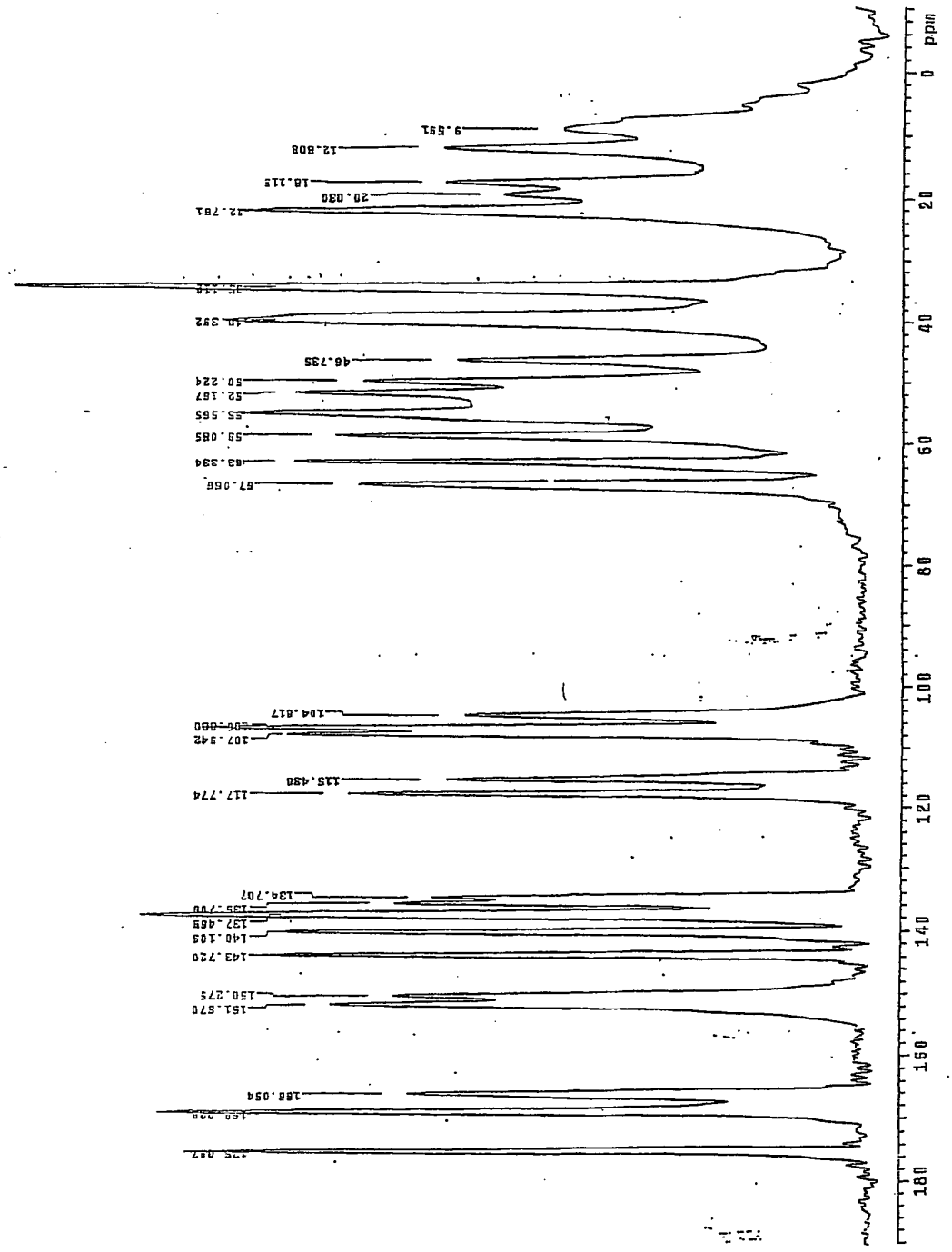
9.591
12.808
18.115
20.030
32.784
35.448
40.392
46.735
50.224
52.187
55.565
59.085
63.334
87.068
104.817
107.942
115.430
117.774
134.707
137.469
140.109
143.720
150.275
151.670
186.054
ppm
0
20
40
60
80
100
120
140
160
180

FIGURE 2

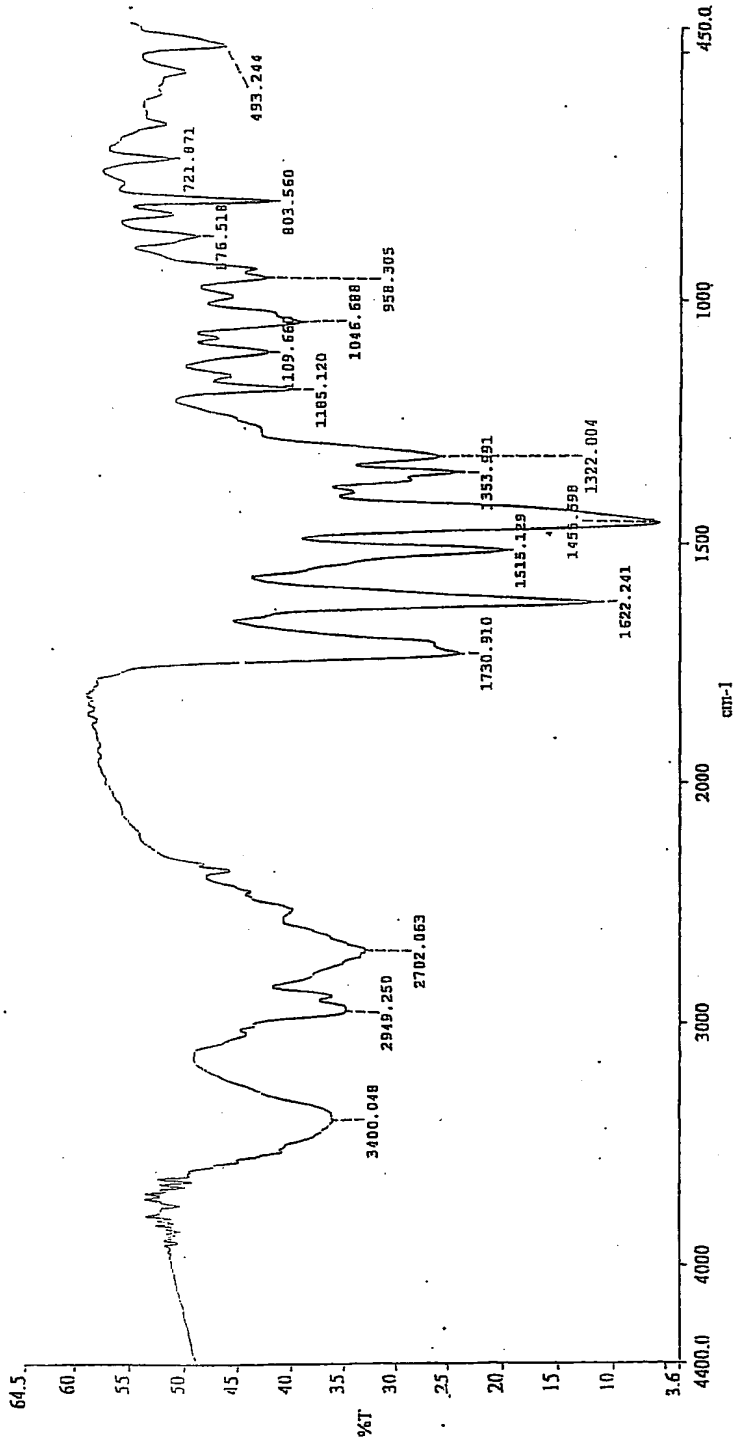
%T
cm-1
64.5
60
55
50
45
40
35
30
25
20
15
10
3.6
4400.0
4000
3000
2000
1500
1000
450.0
3400.048
2949.250
2702.063
1730.910
1622.241
1515.129
1456.598
1353.991
1322.004
1185.120
1109.660
1046.688
958.305
876.518
803.560
721.871
493.244

FIGURE 3

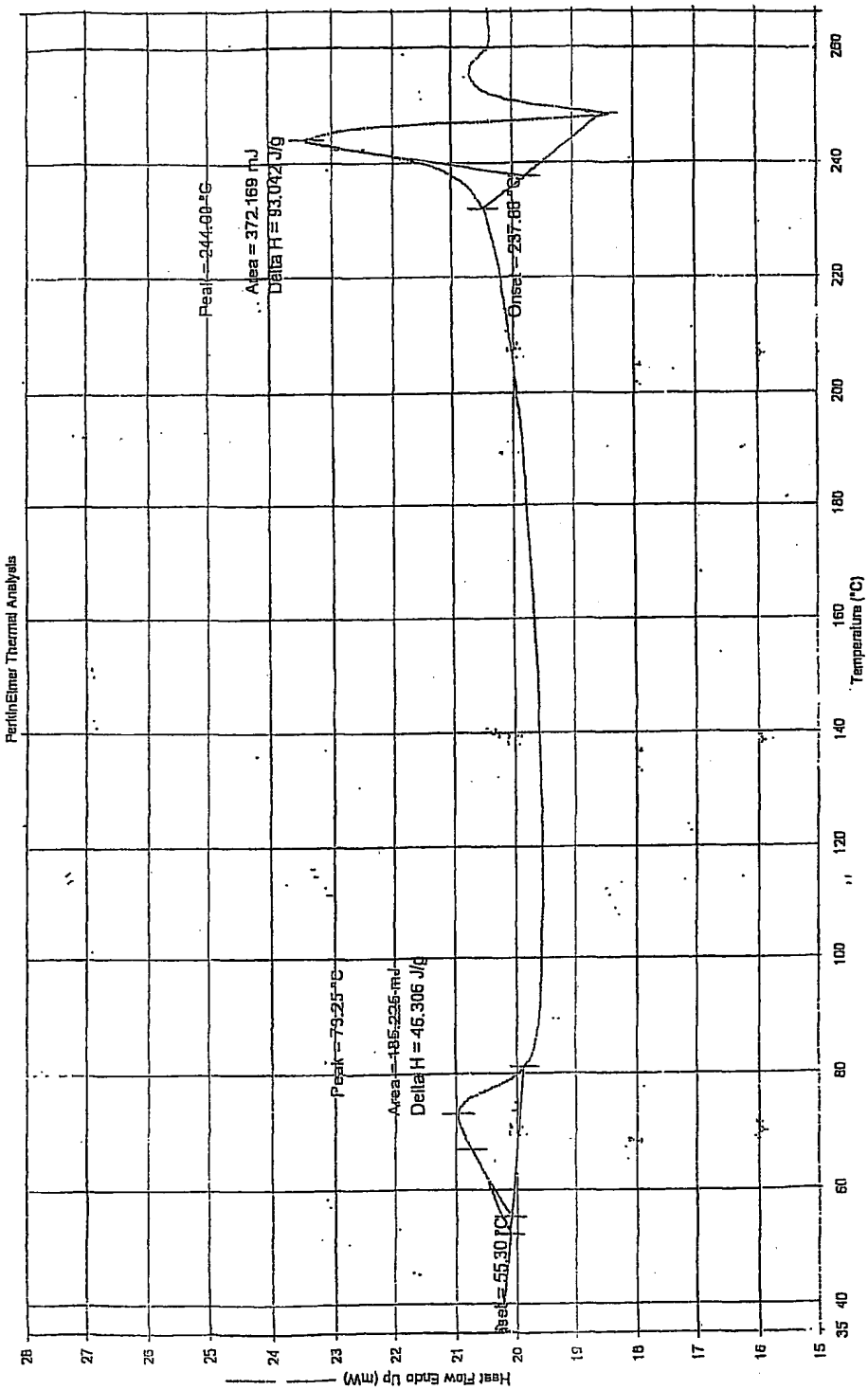
PerkinElmer Thermal Analysis
Heat Flow Endo Up (mW)
Temperature (°C)
Peak = 244.00 °C
Area = 372.169 mJ
Delta H = 93.042 J/g
Onset = 237.88 °C
Peak = 79.25 °C
Area = 185.226 mJ
Delta H = 46.306 J/g
Onset = 55.30 °C

FIGURE 4

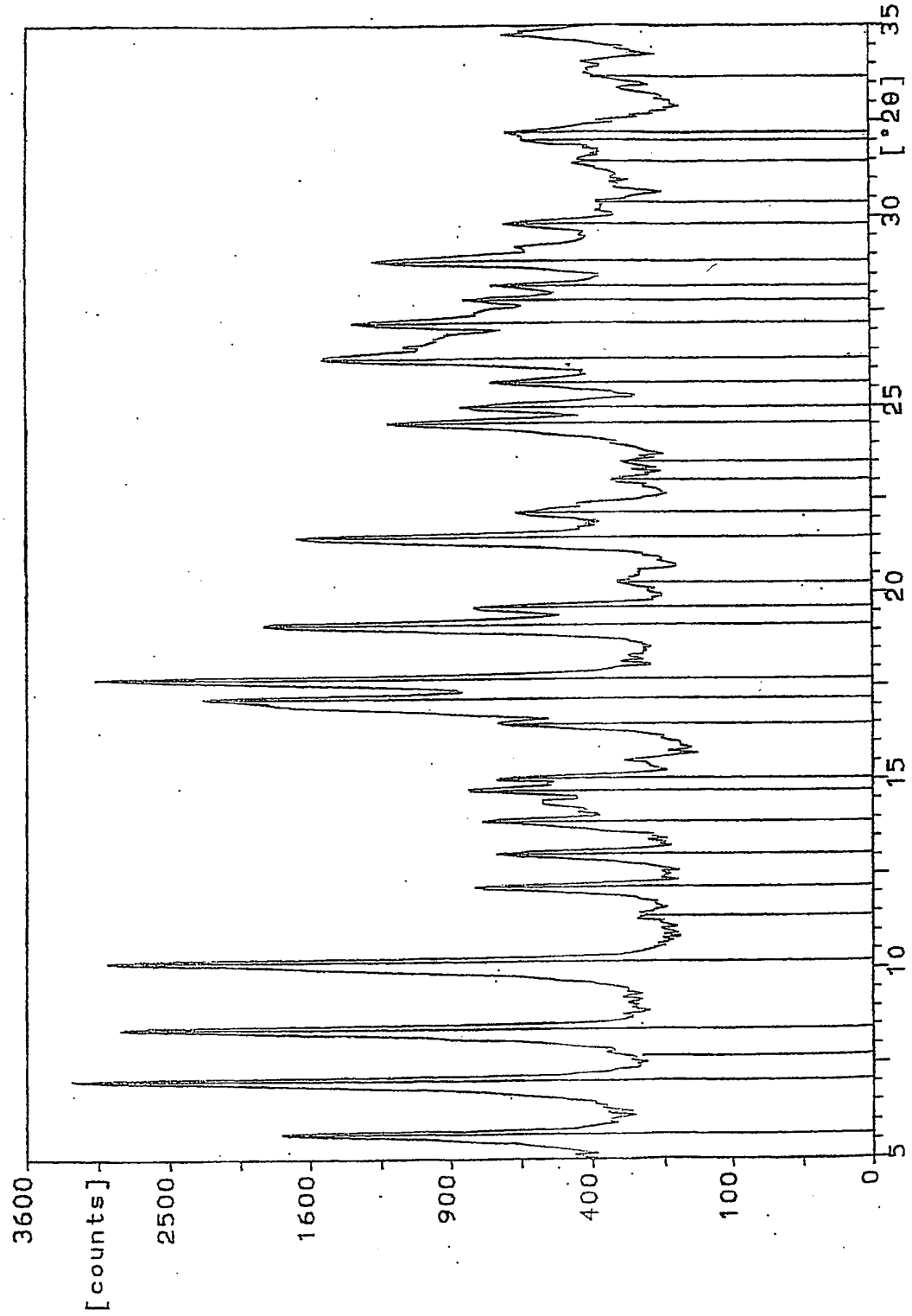

FIGURE 5

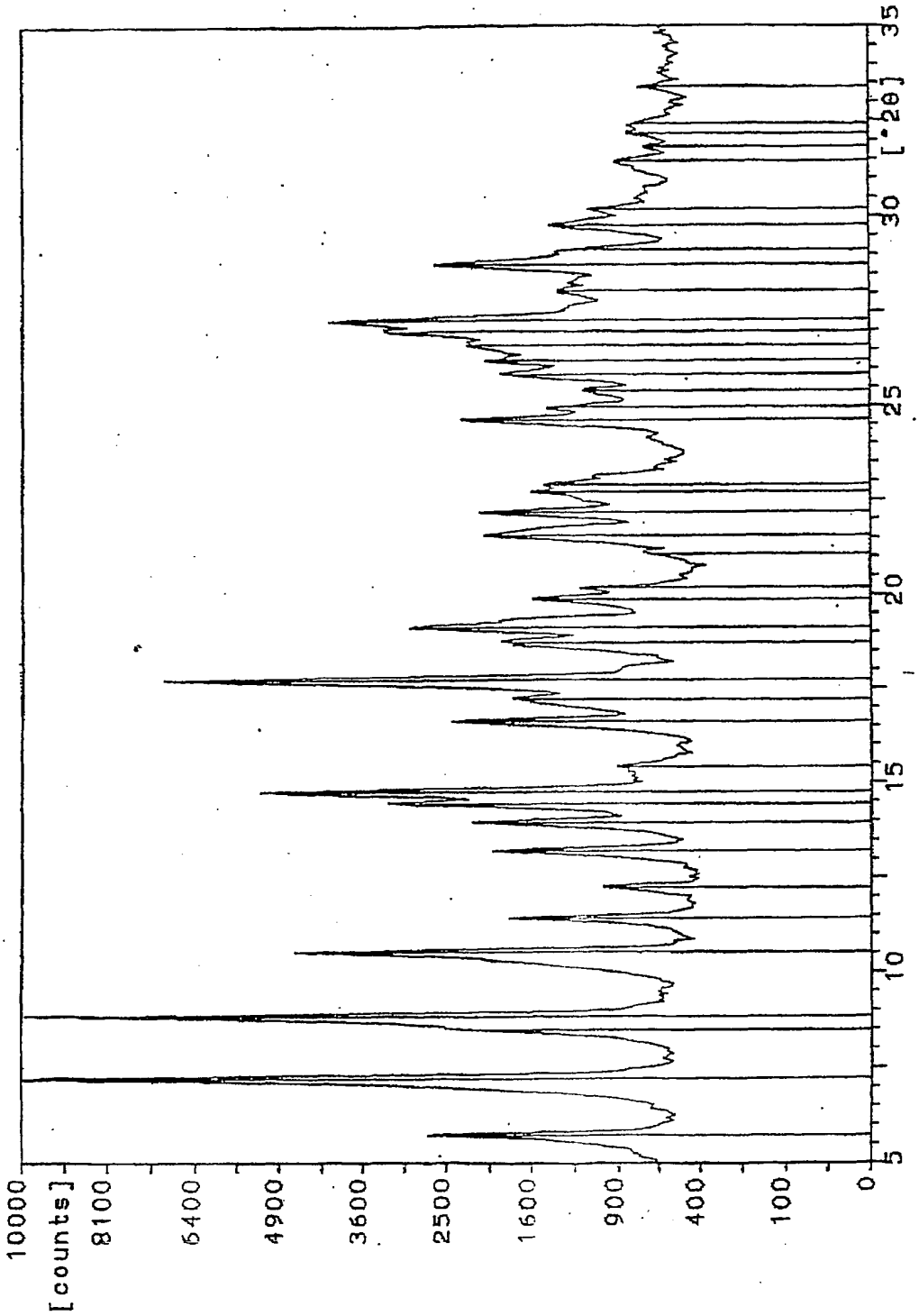
10000
[counts]
8100
6400
4900
3600
2500
1600
900
400
100
0
5
10
15
20
25
30
35
[°2θ]

FIGURE 6

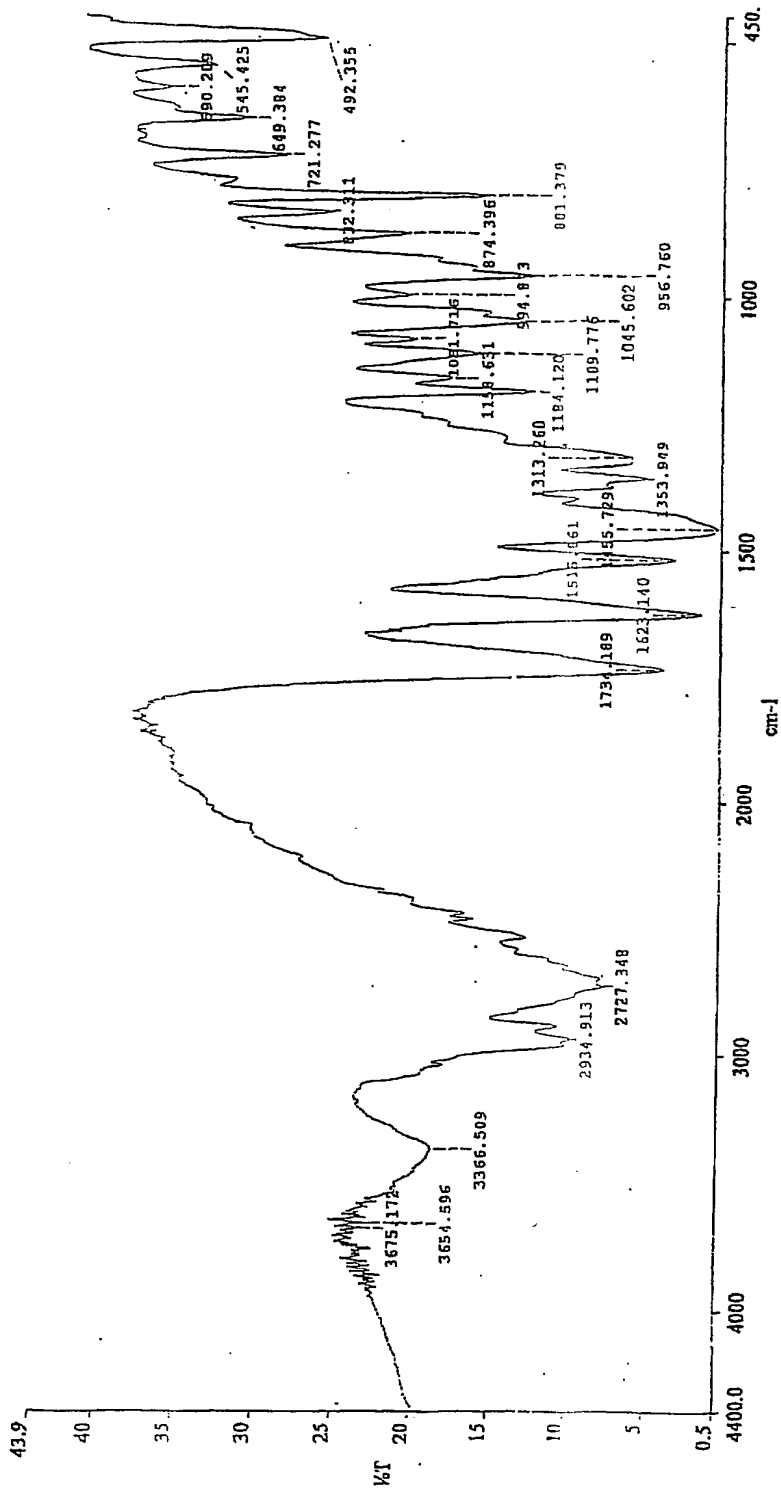
%T
cm-1
4400.0
4000
3000
2000
1500
1000
450.
43.9
40
35
30
25
20
15
10
5
0.5
3675.172
3654.596
3366.509
2934.913
2727.348
1734.189
1623.140
1515.661
1455.729
1353.949
1313.260
1184.120
1109.776
1045.602
956.760
874.396
812.311
721.277
649.384
545.425
490.205
492.355

FIGURE 7

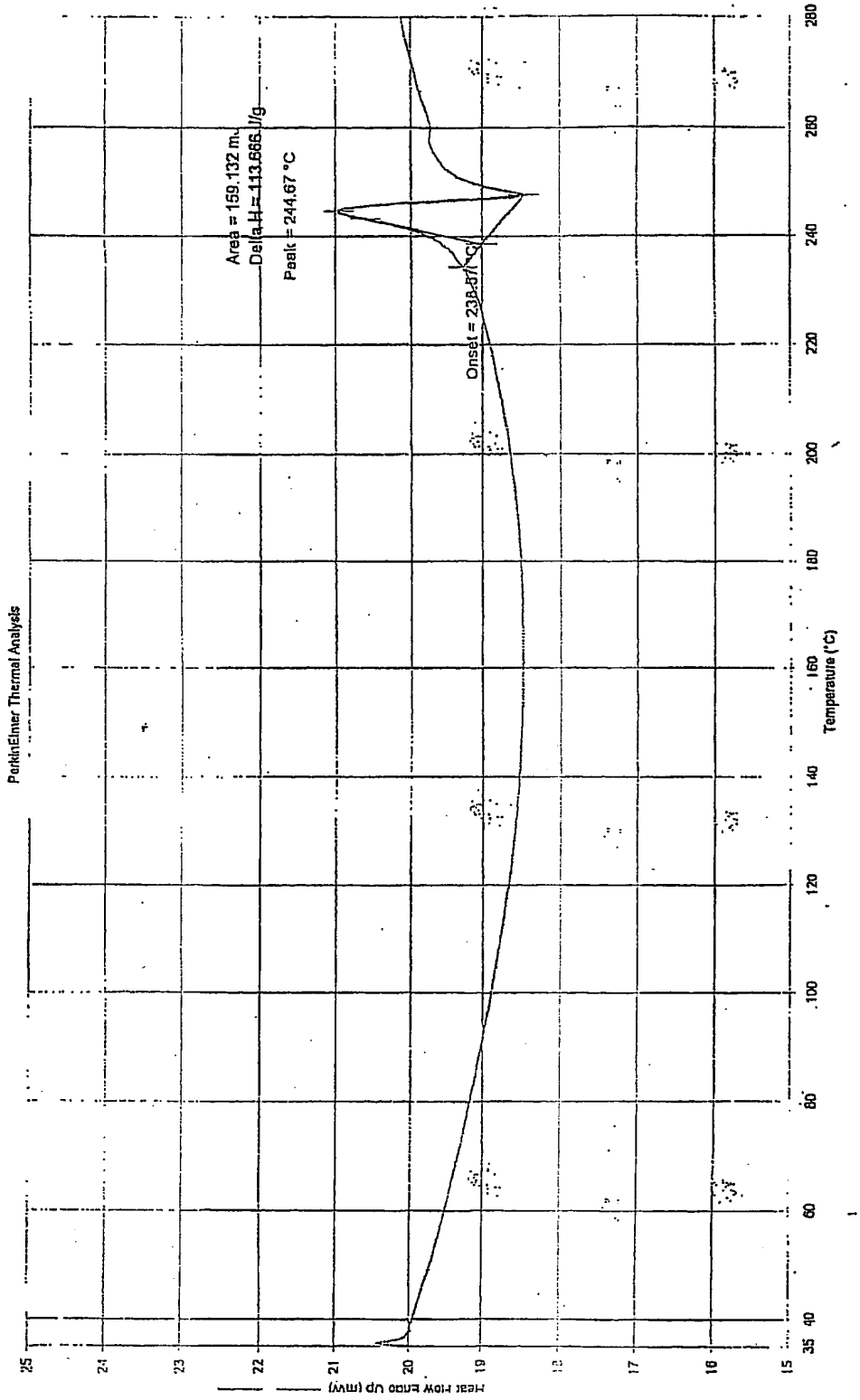
PerkinElmer Thermal Analysis
Area = 159.132 mJ
Delta H = 113.665 J/g
Peak = 244.67 °C
Onset = 238.87 °C
Heat Flow Endo Up (mW)
Temperature (°C)

FIGURE 8